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from this proceeds to discuss the causes of migration in general, and the means by which birds are guided in their long migratory journeys. He discredits the possession by birds of a "mysterious sense of direction," believing they are guided by natural phenomena.

This paper is an excellent counterpart of his former paper, giving an account of his observations at the same locality during midsummer, 1894, the two together adding greatly to our knowledge of the movements, habits and relative abundance of the water birds of the California coast. —J. A. A.

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